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(71) Applicant (for all designated States except US): GREEN-OVATION BIOTECH GMBH [DE/DE]; Bötzinger Strasse 29b, 79111 Freiburg (DE).

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): RESKI, Ralf [DE/DE]; Am Osterbach 26, 79254 Oberried-Zastler (DE). DECKER, Eva [DE/DE]; Schlehenrain 9, 79108 Freiburg (DE). KOPRIVOVA, Anna [UA/DE]; Reutebachgasse 26b, 79108 Freiburg (DE). GORR, Gilbert [DE/DE]; Im Mohnacker 26, 79112 Freiburg (DE). STEMMER, Christian [DE/DE]; Tennenbacher Stasse 13, 79106 Freiburg (DE). LIENHART, Otmar [DE/DE]; Sundgauallee 43, 79114 Freiburg (DE).
- (74) Agent: STÜRKEN, Joachim; Joachim Stürken Patentanwaltsgesellschaft mbH, Engesserstrasse 4a, 79108 Freiburg (DE).

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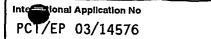


INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/82 A01H11/00 C12P21/02 C12N9/10 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C12P A01H Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, MEDLINE, EMBASE, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category 9 Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X WO 01/29242 A (MONSANTO CO) 26-28, 30,32,33 26 April 2001 (2001-04-26) abstract Υ page 8 -page 9; examples 3.4 1-25,29 31,34-37Υ KOPRIVOVA ANNA ET AL: "Functional 1-25,29; knockout of the adenosine 31,34-375'-phosphosulfate reductase gene in Physcomitrella patens revives an old route of sulfate assimilation."
JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 277, no. 35, 30 August 2002 (2002-08-30), pages 32195-32201, XP002245177 August 30, 2002 ISSN: 0021-9258 abstract Further documents are listed in the continuation of box C. X X Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another that a continuous co citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *O* document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 25 May 2004 24/06/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016 Huber, A

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